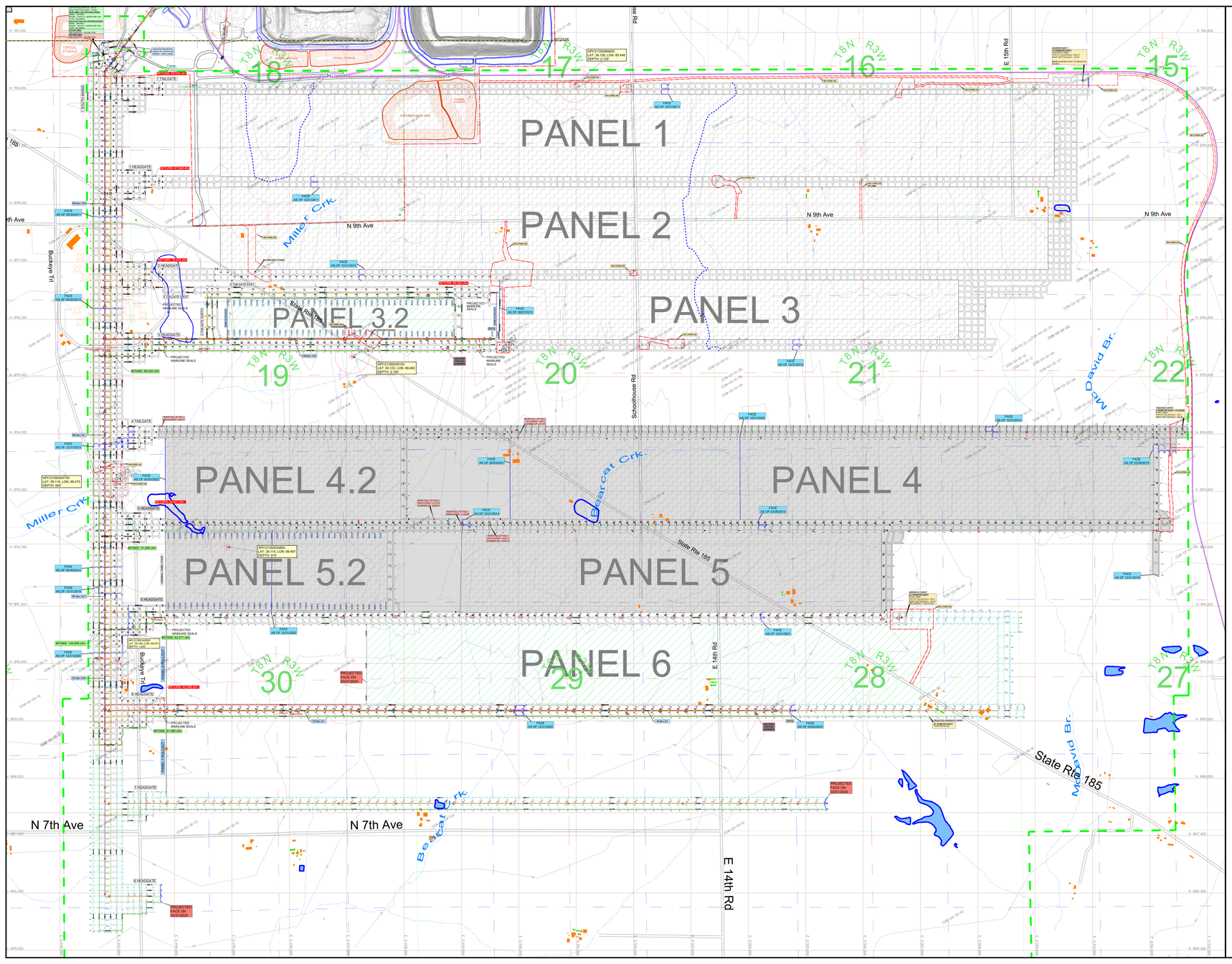

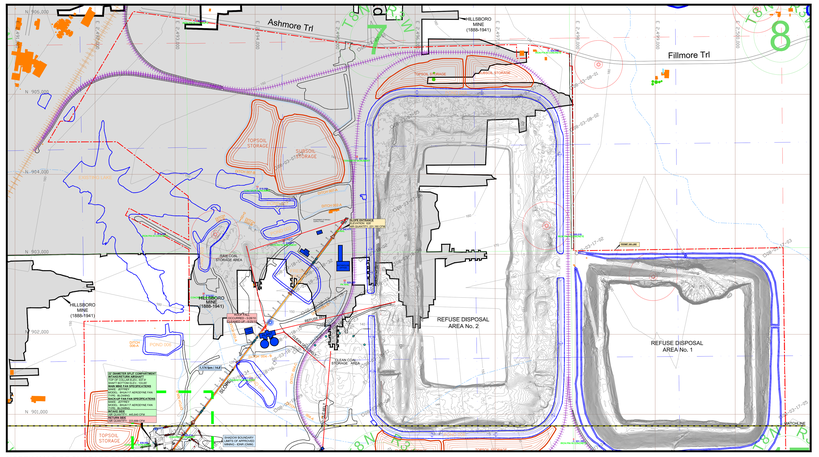

NORTH HALF OF SURFACE FACILITIES
SCALE: 1" = 400'

MAP SYMBOL LEGEND

MINED OUT
- COAL BLOCK PERIMETER
- COAL PILLAR

VENTILATION CONTROLS
- PERMANENT STOPPING
- KENNEDY STOPPING
- STOPPING WITH MANDOOR
- KENNEDY STOPPING WITH MD
- REGULATOR
- AIRLOCK DOOR
- 6' ESCAPEWAY DOOR
- BOXCHECK
- OVERCAST
- UNDERCAST
- LINE CURTAIN
- PERMANENT SEAL
- PROJ. PERMANENT STOPPING
- PROJ. STOPPING WITH MANDOOR
- PROJECTED REGULATOR
- PROJECTED AIRLOCK DOOR
- PROJECTED 6' ESCAPEWAY DOOR
- PROJECTED BOXCHECK
- PROJECTED OVERCAST
- PROJECTED UNDERCAST
- PROJECTED LINE CURTAIN
- PROJECTED PERMANENT SEAL

VENTILATION ARROWS
- INTAKE AIR
- NEUTRAL (BELT) AIR
- RETURN AIR
- PROJECTED INTAKE AIR
- PROJECTED NEUTRAL (BELT) AIR
- PROJECTED RETURN AIR

SURVEYING
- CONTROL POINT (SURFACE)
- CONTROL POINT (UNDERGROUND)
- 005 CROSS CUT NUMBER

FIRE FIGHTING AND EVACUATION
- PRIMARY ESCAPEWAY
- PRIMARY ESCAPEWAY - PROJ.
- SECONDARY ESCAPEWAY
- SECONDARY ESCAPEWAY - PROJ.
- S.C.S.R. CACHE (OCENCO 6.5)
- REFUGE CHAMBER

BELTS
- BELTLINE
- BELTLINE
- BELT TRANSFER POINT
- FEEDER
- CO MONITOR

LAND AND PROPERTY
- PERMITTED AREA (SURFACE)
- SHADOW BOUNDARY (D.N.R.)
- WATER POOLS (SURFACE)
- WATER POOLS (SURFACE)
- RAILROADS
- PUBLIC ROADS
- MINESITE ROADS
- SECTION LINES
- QUARTER SECTION LINES
- QUARTER QUARTER SECTION LINES
- SURFACE FACILITY STRUCTURES
- HOUSES/BUILDINGS
- TRAILERS
- SILOS

SEAM
- ROOF FALL
- ABANDONED MINE WORKINGS
- SEALED AREAS
- LW GOB
- UNDERGROUND WATER SEAL
- BOTTOM ELEVATION CONTOURS
- DRILLHOLES PENETRATING SEAM
- GAS OR OIL WELLS (PLUGGED)
- GAS OR OIL WELLS (ACTIVE)

PERMANENT POINTS
Coordinate System - NAD 83 Illinois State Plane, West

No.	Description	Coordinates
15	Con. Monument	N 900,643.93, E 2,492,532.61
31	Con. Monument	N 900,249.45, E 2,495,108.57
32	Con. Monument	N 901,141.35, E 2,494,398.51

STRIKE AND DIP
S 17° 49' 31" E

PATTON MINING

DEER RUN MINE - 75.372 MAP

OPERATING CO.: PATTON MINING, LLC **ADDRESS:** P.O. BOX 457, HILLSBORO, IL 62049
MSHA I.D.: 11-03182 **MINE PHYSICAL ADDRESS:** 12051 9th AVENUE, HILLSBORO, IL 62049
LOCATION: SECTIONS 15-16-17-18-19-20-21-22-27-28-29-30 T8N R3W 3rd PRINCIPAL MERIDIAN
COUNTY: MONTGOMERY **NEAREST TOWN:** DETROIT, IL **NEAREST POST OFFICE:** HILLSBORO, ILLINOIS
COAL SEAM MINED: HERRIN NO. 6 (115) **ILLINOIS STATE GEOLOGICAL SURVEY DEPT. NATURAL RESOURCES PERMIT NO.:** 399
MINE WORKINGS ABOVE OR BELOW SEAM: NONE
RESPONSIBLE PERSON: MIKE CLINE, MINE SUPERINTENDENT

NOTE:
THERE ARE NO KNOWN MINE WORKINGS UNDERLYING OR OVERLAYING THE DEER RUN MINE WORKINGS.

NOTE:
MAP SHOWN AS OF 03/20/2023

Clayton Cross
Digitally signed by Clayton Cross
Date: 2023.03.27 13:10:48 -05'00'

ENGINEERING CERTIFICATION

I, Clayton A Cross, hereby certify that the information presented on this map is true and correct to the best of my knowledge and belief as determined by accepted engineering practices.

Clayton A Cross	062-068486
Name	Illinois Registration Number (Seal)
Patton Mining, LLC	(217) 532-7310
Firm	Phone Number

Signature Date

SEAL

CLAYTON A CROSS 062-068486

FAN DATA

BACKUP MINE FAN		MAIN MINE FAN	
MAKE:	JEFFREY	MAKE:	JEFFREY
MODEL:	BIFLEXIT	MODEL:	BIFLEXIT
	1-PERCENT FAN		1-PERCENT FAN
SIZE:	120	SIZE:	120
SPEED:	1,170 RPM	SPEED:	530 RPM
SPEED GAUGE:	0 RPM	SPEED GAUGE:	0 RPM
AIR QUANTITY:	0 CFM	AIR QUANTITY:	415,000 CFM
TYPE:	ABYANNE	TYPE:	ABYANNE
BLADE SETTING:	0 DEGREE	BLADE SETTING:	0 DEGREE
	MOTOR SPECIFICATIONS		MOTOR SPECIFICATIONS
MAKE:	TOSHIBA	MAKE:	TOSHIBA
HORSEPOWER:	150 HP	HORSEPOWER:	300 HP
SPEED:	600 RPM	SPEED:	900 RPM
VOLTS:	4,160 VOLTS	VOLTS:	4,160 VOLTS
FRAME:	450-120S	FRAME:	450-120S

MINE OPENINGS

SLOPE	MAIN ABSHAFT
ELEVATION - 3000 FT	ELEVATION - 0 FT
OVERBURDEN - 18 FT	OVERBURDEN - 0 FT
TOP ELEV. - 439'	TOP ELEV. - 439'
BOT ELEV. - 439' - 120'	BOT ELEV. - 439'
LOCATION:	LOCATION:
N 900,000.0	N 900,000.0
E 2,492.00	E 2,492.00
BLEEDER SHAFT 2	**BLEEDER SHAFT 3**
TSL / WATER	**ESP-5**
ELEVATION:	ELEVATION:
SURFACE - 525 FT	SURFACE - 525 FT
OVERBURDEN - 20 FT	OVERBURDEN - 20 FT
TOP ELEV. - 554.0'	BOT ELEV. - 104.20'
BOT ELEV. - 554.0'	LOCATION:
LOCATION:	N 900,000.0
N 900,100.0	E 2,513,457.1
E 2,500,000.0	

Drawn By: BM
Checked By: CC
Title: 2022 ANNUAL MAP
Date: 03/27/2023
Revision:
Revision Date:
SCALE: 1" = 400'